<u>AMENDMENTS TO THE CLAIMS:</u>

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

- 1. (Original) A method for processing a speech signal comprising: extracting prosodic features from a speech signal; modeling the prosodic features to identify at least one speech endpoint; and producing an endpoint signal corresponding to the occurrence of the at least one speech endpoint.
- 2. (Original) The method of claim 1 wherein the extracting step comprises: processing pitch information within the speech signal.
- (Original) The method of claim 2 wherein the extracting step further comprises: 3. determining a duration pattern; and performing pause analysis.
- (Original) The method of claim 2 wherein the processing step comprises: 4. generating a pitch contour; producing a pitch movement model from the pitch contour; and extracting at least one pitch parameter from the pitch movement model.
- (Original) The method of claim 4 wherein the at least one pitch parameter is a 5. pitch movement slope.
- (Original) The method of claim 4 wherein the at least one pitch parameter is a 6. difference between the pitch information in the speech signal and baseline pitch information.

- (Original) The method of claim 1 wherein the producing step comprises 7. generating a posterior probability regarding the at least one speech endpoint.
- (Currently Amended) The method of claim 7 wherein the posterior probability 8. regarding a plurality of speaker states including includes a probability that a speaker has completed an utterance, a probability that the speaker is pausing due to hesitation, or a probability that the speaker is talking fluently.
- (Original) The method of claim 8 where the posterior probability is continuously 9. updated as the speech signal is processed.
- (Original) The method of claim 1 further comprising: 10. executing a speech recognition routine for processing the speech signal using the at least one speech endpoint.
- 11. (Original) Apparatus for processing a speech signal comprising:
- a prosodic feature extractor for extracting prosodic features from the speech signal;
- a prosodic feature analyzer for modeling the prosodic features to identify at least one speech endpoint; and
- an endpoint signal producer that produces an endpoint signal corresponding to the occurrence of the at least one speech endpoint.
- (Original) The apparatus of claim 11 wherein the prosodic feature extractor 12. comprises:
 - a pitch processor for processing pitch information within the speech signal.
- (Original) The apparatus of claim 12 wherein the prosodic feature extractor 13. further comprises:

means for determining a duration pattern; and means for performing pause analysis

- 14. (Original) The apparatus of claim 12 wherein the pitch processor comprises: means for generating a pitch contour; means for producing a pitch movement model from the pitch contour; and means for extracting at least one pitch parameter from the pitch movement model.
- 15. (Original) The apparatus of claim 14 wherein the at least one pitch parameter is a pitch movement slope.
- 16. (Original) The apparatus of claim 14 wherein the at least one pitch parameter is a difference between the pitch information in the speech signal and baseline pitch information.
- 17. (Original) The apparatus of claim 11 wherein the endpoint signal producer comprises a posterior probability generator for generating a posterior probability regarding the at least one speech endpoint.
- 18. (Original) The apparatus of claim 17 wherein the posterior probability regarding a plurality of speaker states includes a probability that a speaker has completed an utterance, a probability that the speaker is pausing due to hesitation, or a probability that the speaker is talking fluently.
- 19. (Previously Presented) The apparatus of claim 18 where the posterior probability is continuously updated as the speech signal is processed.
- 20. (Previously Presented) The apparatus of claim 11 further comprising:a computer for executing a speech recognition routine for processing the speech

signal using the at least one speech endpoint.

(Original) An electronic storage medium for storing a program that, when 21. executed by a processor, causes a system to perform a method for processing a speech signal comprising:

extracting prosodic features from a speech signal; modeling the prosodic features to identify at least one speech endpoint; and producing an endpoint signal corresponding to the occurrence of the at least one speech endpoint.